

Notice of Allowability

Application No.

09/717,675

Examiner

Syed J. Ali

Applicant(s)

KALER ET AL.

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed November 15, 2005.
2. ☒ The allowed claim(s) is/are 1-10,12,26-30,33,36,37,58 and 65, renumbered as claims 1-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 21

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael Tieff (Reg. No. 57,845) on November 28, 2005.

2. **The application has been amended as follows:**

a. **Replace claim 1 as follows:**

A method in a computer system for servicing requests from one or more client computers, the method comprising:

receiving a request from a client computer;

a first thread processing the request by invoking a receive handler that creates a work item, wherein the first thread is part of a pool of generic threads;

a second thread performing a task specified in the work item by invoking a work handler, wherein the second thread is part of the pool of generic threads;

receiving a result of performing the task;

a third thread returning at least a portion of the result to the client computer by invoking a reply handler, wherein the third thread is part of the pool of generic threads;

determining a size of the result;

when the size of the result is not larger than a cutoff size, storing the result in a partial results cache;

the first thread, the second thread or the third thread indicating that the first thread, the second thread or the third thread has completed a work item; and

if a quantum has not expired for the first thread, the second thread or the third thread, then the first thread, the second thread or the third thread being given an additional work item to perform without relinquishing the central processing unit upon which the first thread, the second thread or the third thread was running.

b. **Cancel claim 13.**

c. **Replace claim 33 as follows:**

A method in a computer system for servicing requests from multiple client computers, the method comprising:

receiving, from a client computer, a request to perform a first task;

evaluating the first task, by a first handler invoked by a first thread, to determine whether the first task includes complex or long-running logic; and

if the first task includes complex or long-running logic, performing the first task by a second handler invoked by a second thread, wherein the first and second threads are all identical threads within a pool of generic threads, wherein the first thread is a thread within a first group of threads having a first priority level, and the second thread is a

thread within a second group of threads having a second priority level that is lower than the first priority level; and

receiving a request to perform a second task;

evaluating the second task to determine whether the second task includes complex or long-running logic; and

if the second task does not include complex or long-running logic and a processor is not available for performing the second task, preempting the second thread and performing the second task by a third thread in the first group of threads.

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Conclusion


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed J. Ali whose telephone number is (571) 272-3769. The examiner can normally be reached on Mon-Fri 8-5:30, 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai T. An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Syed Ali
November 28, 2005



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